Latest revision date: 02/25/2022
Version: 1.0

# SAFETY DATA SHEET

General Hydroponics® FloraMicro® Professional 5-0-1

## Section 1. Identification

| | | |
|---|---|---|
| **Product identifier** | : | General Hydroponics® FloraMicro® Professional 5-0-1 |
| **Product code** | : | 320000011108 |
| **Other means of identification** | : | S21472 |
| **Product type** | : | liquid |

**Relevant identified uses of the substance or mixture and uses advised against**

Use only in accordance with label directions.

| | | |
|---|---|---|
| **Supplier's details** | : | Hawthorne Hydroponics<br>2000 Argentia Road, Plaza 2, Suite 300<br>Mississauga, Ontario L5N 1V8<br>Canada<br>1-844-939-3442 |
| **Emergency telephone number (with hours of operation)** | : | Medical Emergencies : 1-888-779-7919<br>Accident and Spill Emergencies Canutec : 1-613-996-6666 |

## Section 2. Hazard identification

| | | |
|---|---|---|
| **Classification of the substance or mixture** | : | Not classified. |

**GHS label elements**

| | | |
|---|---|---|
| **Signal word** | : | No signal word. |
| **Hazard statements** | : | No known significant effects or critical hazards. |

**Precautionary statements**

| | | |
|---|---|---|
| **General** | : | Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. |
| **Prevention** | : | Not applicable. |
| **Response** | : | Not applicable. |
| **Storage** | : | Not applicable. |
| **Disposal** | : | Not applicable. |

## Section 3. Composition/information on ingredients

| | | |
|---|---|---|
| **Substance/mixture** | : | Mixture |
| **Chemical name** | : | Not Applicable |
| **Other means of identification** | : | Not Available |

**There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**
**Occupational exposure limits, if available, are listed in Section 8.**

# Section 4. First-aid measures

## Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

## Most important symptoms/effects, acute and delayed

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.
**Inhalation** : No known significant effects or critical hazards.
**Skin contact** : No known significant effects or critical hazards.
**Ingestion** : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Eye contact** : No specific data.
**Inhalation** : No specific data.
**Skin contact** : No specific data.
**Ingestion** : No specific data.

## Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

**See toxicological information (Section 11)**

# Section 5. Fire-fighting measures

## Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

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| **Unsuitable extinguishing media** | : | None known. |
| **Specific hazards arising from the chemical** | : | In a fire or if heated, a pressure increase will occur and the container may burst. |
| **Hazardous thermal decomposition products** | : | No specific data. |
| **Special protective actions for fire-fighters** | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| **Special protective equipment for fire-fighters** | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

# Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

| | | |
|---|---|---|
| **For non-emergency personnel** | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. |
| **For emergency responders** | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| **Environmental precautions** | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

**Methods and materials for containment and cleaning up**

| | | |
|---|---|---|
| **Small spill** | : | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| **Large spill** | : | Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

# Section 7. Handling and storage

**Precautions for safe handling**

| | | |
|---|---|---|
| **Protective measures** | : | Put on appropriate personal protective equipment (see Section 8). |
| **Advice on general occupational hygiene** | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| **Conditions for safe storage, including any incompatibilities** | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |

# Section 8. Exposure controls/personal protection

## Control parameters

### Occupational exposure limits

None.

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|---|---|---|
| **Appropriate engineering controls** | : | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| **Environmental exposure controls** | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

## Individual protection measures

| | | |
|---|---|---|
| **Hygiene measures** | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| **Eye/face protection** | : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. |

## Skin protection

| | | |
|---|---|---|
| **Hand protection** | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |

| | | |
|---|---|---|
| **Body protection** | : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Other skin protection** | : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Respiratory protection** | : | Not required under normal conditions of use. |

# Section 9. Physical and chemical properties

**Appearance**

| | | |
|---|---|---|
| **Physical state** | : | Liquid [liquid] |
| **Color** | : | Dark brown |
| **Odor** | : | Odorless. |
| **Odor threshold** | : | Not available. |
| **pH** | : | 6 |
| **Melting point** | : | Not available. |
| **Boiling point** | : | Not available. |
| **Flash point** | : | Not available. |
| **Evaporation rate** | : | Not available. |
| **Flammability (solid, gas)** | : | Not available. |
| **Lower and upper explosive (flammable) limits** | : | **Lower:** Not available.<br>**Upper:** Not available. |
| **Vapor pressure** | : | Not available. |
| **Vapor density** | : | Not available. |
| **Relative density** | : | 1.243 g/cm3 |
| **Solubility** | : | Not available. |
| **Solubility in water** | : | Not available. |
| **Partition coefficient: n-octanol/water** | : | Not available. |
| **Auto-ignition temperature** | : | Not available. |
| **Decomposition temperature** | : | Not available. |
| **Viscosity** | : | **Dynamic:** Not available.<br>**Kinematic:**Not available. |
| **Flow time (ISO 2431)** | : | Not available. |

# Section 10. Stability and reactivity

| | | |
|---|---|---|
| **Reactivity** | : | No specific test data related to reactivity available for this product or its ingredients. |
| **Chemical stability** | : | The product is stable. |
| **Possibility of hazardous reactions** | : | Under normal conditions of storage and use, hazardous reactions will not occur. |
| **Conditions to avoid** | : | No specific data. |
| **Incompatible materials** | : | No specific data. |

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

## Information on toxicological effects

### Acute toxicity

**Conclusion/Summary** : Not available.

### Irritation/Corrosion

**Conclusion/Summary**
**Skin** : Not available.
**Eyes** : Not available.
**Respiratory** : Not available.

### Sensitization

**Conclusion/Summary**
**Skin** : Not available.
**Respiratory** : Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential chronic health effects

| | | |
|---|---|---|
| **Conclusion/Summary** | : | Not available. |
| **General** | : | No known significant effects or critical hazards. |
| **Carcinogenicity** | : | No known significant effects or critical hazards. |
| **Mutagenicity** | : | No known significant effects or critical hazards. |
| **Teratogenicity** | : | No known significant effects or critical hazards. |
| **Developmental effects** | : | No known significant effects or critical hazards. |
| **Fertility effects** | : | No known significant effects or critical hazards. |

## Section 12. Ecological information

**Toxicity**

| | | |
|---|---|---|
| **Conclusion/Summary** | : | Not available. |

**Persistence and degradability**

| | | |
|---|---|---|
| **Conclusion/Summary** | : | Not available. |

**Bioaccumulative potential**

Not available.

**Mobility in soil**

| | | |
|---|---|---|
| **Soil/water partition coefficient (KOC)** | : | Not available. |
| **Other adverse effects** | : | No known significant effects or critical hazards. |

## Section 13. Disposal considerations

| | | |
|---|---|---|
| **Disposal methods** | : | The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |

## Section 14. Transport information

Not classified as dangerous

# Section 15. Regulatory information

**Canadian lists**

**Canadian NPRI** : None of the components are listed.
**CEPA Toxic substances** : None of the components are listed.

**Inventory list**

**Canada** : All ingredients are listed on the DSL or are not required to be listed.
**United States** : All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

# Section 16. Other information

**History**

**Date of printing** : 02/25/2022
**Date of issue/Date of revision** : 10/05/2018
**Date of previous issue** : 00/00/0000
**Version** : 1.0
**Key to abbreviations** : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations
HPR = Hazardous Products Regulations

**Procedure used to derive the classification**

| Classification | Justification |
|---|---|
| Not classified. | |

**References** : Not available.

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**